

GORDON

®

10X50 WIDE ANGLE BINOCULARS

Model 94527



Distributed exclusively by Harbor Freight Tools®.
3491 Mission Oaks Blvd., Camarillo, CA 93011
Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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For technical questions or replacement parts, please call 1-800-444-3353.

Revised 09g

THANK YOU for choosing a **HARBOR FREIGHT TOOLS** product. For future reference, please complete the owner's record below:

Model _____ **Serial No.** _____ **Purchase Date** _____

SAVE THE RECEIPT, WARRANTY AND THESE INSTRUCTIONS. It is important that you read the entire manual to become familiar with the unit BEFORE you begin assembly.

Technical Specifications

Overall Dimensions:	7-1/2" W x 6-1/2" L x 2-3/4" H
Field of View:	344 Ft. at 1,000 Yards. (105 meters at 1000 meters)
Angular Field:	6°
Ocular Optics Diameter:	19 mm
Objective Lens Diameter:	50 mm
Interpupillary Distance:	2-1/4" to 2-3/4"
Focus Range:	22 feet minimum to infinity
Optic Magnification:	10x
Focus Adjustment:	Rotating Focusing Drum
Unit Weight:	1.75 Lbs.
Finish & Color:	Green rubber-coated body, flat black anodized frame
Construction:	Die Cast & Machined Aluminum, plastic, thermoplastic-rubber and precision ground optical glass. Foldable eye cups

 **IMPORTANT SAFETY INSTRUCTIONS!** 

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT!

Safety Warnings and Precautions

Read all instructions before using this product!

1. **Never expose the binoculars to bright light, extreme temperatures changes or sudden impacts.**
2. **Do not let children use binoculars without adult supervision.**
3. **Store idle equipment.** When not in use, products must be stored in a dry location to inhibit damage from moisture and salt air.
4. **Check for damaged parts.** Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately.
5. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty.
6. **Your binoculars are not waterproof.** Do not allow this product to get wet.
7. **Never look into the sun or any bright light with your binoculars!** Damage to your eyes may occur, including blindness.

Introduction

The use of binoculars help to expand your horizons by allowing you to see a distant object as if it were located very close to your eyes. When viewing sporting events, for trips, hunting, bird watching, hiking, boating concerts or theater, your binoculars will enhance your view of the world.

Some Helpful Notes About Your Binoculars

Magnification:

Your binoculars are marked with a set of numbers, 10 X 50. The first number represents the power or magnification of the binoculars, while the second number represents the objective diameter expressed in millimeters.

Magnification is defined as the amount of increase over the actual image size. A 7 x binoculars magnifies the image by 7 times life size, while a 10 x binoculars gives a 10 times magnification. For example, using 10 x binoculars, an object which is 100 feet away would appear to be only 10 feet away.

Objective Diameter:

The light gathering capabilities of binoculars are determined by the objective diameter. Binoculars with large objective diameters (above 50 mm) are designed for low-light conditions and astronomical use. Binoculars with small objective diameters (under 30 mm) are ideal in bright light. Binoculars that fall in the range between (30-50 mm) represent a good compromise between light gathering capability and size.

Field Of View:

The field of view is the extent of the area seen through the binoculars. It is expressed either in angular measure or in feet/meters at a range of 1,000 yards/meters. Thus binoculars with a field of view of 358 feet/119 meters will show you about 358 feet / 119 meters at 1,000 yards/1,000 meters. The greater the magnification, the less the field of view is.

The interpupillary distance of the eyes varies from 55 to 70 millimeters. The adjustment of the Binoculars to your individual interpupillary distance is made by bending the bodies about their hinges, thus increasing or reducing separation of the eyepieces until the two circular fields of view fuse into one.

Coating:

It is a well-known optical phenomenon that under normal conditions, a loss of over 5% of light occurs on passing through and air-to-glass surface. The coating on the lens surface of your binoculars eliminates this loss and restores the light to the transmitted beam. The coating has two advantages:

- a. The image of field of view is considerably brighter due to the increased transmission of light.
- b. Contrast and definition are improved because of the almost complete elimination of stray light reflected between the various lens surfaces.

Maintenance

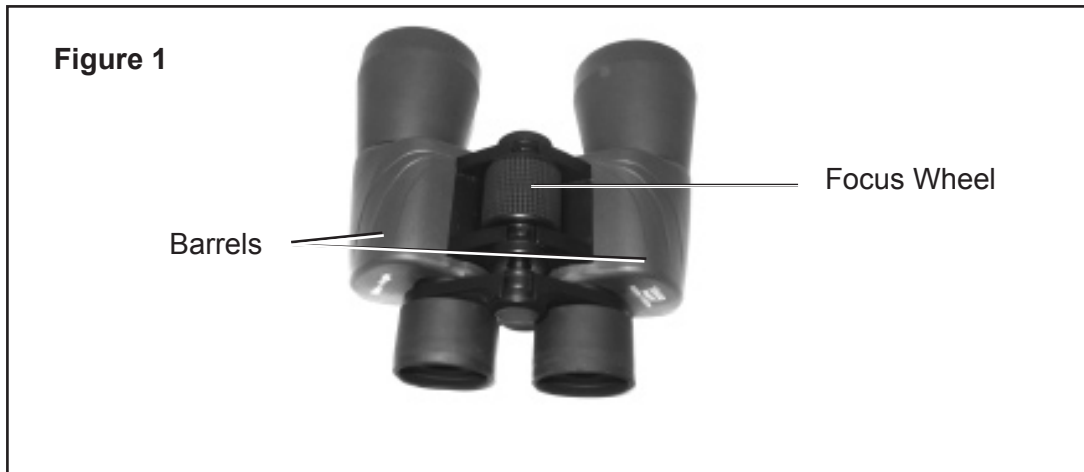
Keep the rubber lens caps on the Binoculars and store in it's carrying case when not in use. Use a soft lens cleaning cloth with lens cleaning solution to clean the lenses. A good camera shop should carry these items.

Using the Binoculars

Hold the Binoculars up to both eyes so that both are looking through the lenses. With one hand on each of the barrels, move the barrels up or down to adjust the distance between them, until you are seeing one complete and normal looking view through both the Binocular lenses-see Figure 1.

Focusing:

To focus the Binoculars, select an object about 25 feet away. Look through the lenses with both eyes. Turn the Focus Wheel until the object appears in focus (see Figure 1).



Unpacking

When unpacking your Binoculars, check to make sure the following items are included. If any items are missing or broken, please call **HARBOR FREIGHT TOOLS** at **1-800-444-3353**.



Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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